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CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

REPORT NO.

CD NO.

COUNTRY	East Germany	DATE DISTR. 26 Jan. 1953
SUBJECT	Consumption Norms during the Smelting Process at the Ferrolegierungswerk Lippendorf, VEB	NO. OF PAGES 1
PLACE ACQUIRED	25X1A	NO. OF ENCLS. 1 (1 page) (LISTED BELOW)
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Attached for your retention is a photostated copy of a document setting forth conditions of a contest for smelters at the Ferrolegierungswerk Lippendorf, VEB from 3 February to 26 April 1952. The contest was held in order to find a basis for setting norms for consumption in the smelting process.

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German Democratic Republic

25X1A QUOTAS ESTABLISHED FOR SMELTERS' COMPETITION AT LIPPENDORF VEB FERROALLOY PLANT (1 p; German; document dis-
undated on 26 January 1953)
tributed

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The following is a complete translation of the document:

Competition Quotas for the Smelters for the Period 3 February - 26 April 1952 at the
Lippendorf Ferroalloy Plant
(Basis for the establishment of consumption norms for the smelting process)

Theoretical maximum capacity per furnace
7,500 kVA (kilovolt amperes) = 158,400 kwh (kilo-
watt hours) per day
3,000 kVA = 64,400 kwh per day
750 kVA = 16,740 kwh per day

Production (Quota)	Furnace kVA	% Utilization of theoretical maximum capacity	kwh per day	Tons per day	kwh per ton
Fe – Si 45 %	7500	97.9	155,100	27.5	5,640
Fe – Si 75 %	7500	97.9	155,100	13.6	11,404
Fe – Si 90 %	7500	97.9	155,100	8.3	18,687
Fe – Mn (containing carbon)	7500	97.9	155,100	17.34	8,945
Si – Mn	7500	83.0	131,300	20.4	6,436
Si – Cr	7500	97.9	155,100	17.34	8,945
Fe – Mn (containing carbon)	3000	88.0	56,700	6.46	8,777
Fe – Mn, refined	3000	48.0	30,900	15.83	1,952
Si – Mn	3000	88.8	56,600	5.35	10,579
Fe – Cr, refined	3000	65.2	42,000	4.74	8,860
Fe – Cr, superrefined[1]	3000	63.5	40,900	11.22	4,380
Fe – Cr, semiproduct	3000	87.7	56,500	5.87	9,625
Fe – Cr, superrefined	750	88.7	14,850	3.55	4,183

[1] Provisional norm

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Foreign language document or microfilm of it [ ] is available from CIA Library 25X1A

11 February 1953

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Abschrift / Mü.

Wettbewerbsoll der Schmelzer für die Zeit v. 1.2. - 26.4.52
in Ferrolegierungswerk Lippendorf

(Grundlage für die Erstellung von Verbrauchsnormen beim
Schmelzvorgang)

theoret.max.Leistung im Ofen

7.500 kVA = 158 400 kWh/Tg.
3.000 kVA = 64 400 kWh/Tg.
750 kVA = 16 740 kWh/Tg.

Produktion (Soll)	Ofen kVA	theor.max Leistung Ausnutzung %	kWh pro Tg.	Tonnen pro Tg.	kWh pro t
Fe - Si 45 %	7500	97,9	155 100	27,5	5 640
Fe - Si 75 %	7500	97,9	155 100	13,6	11 404
Fe - Si 90 %	7500	97,9	155 100	8,3	18 687
Fe - Mn carb.	7500	97,9	155 100	17,34	8 945
Si - Mn	7500	83,0	131 300	20,4	6 436
Si - Cr	7500	97,9	155 100	17,34	8 945
Fe - Mn carb.	3000	88,0	56 700	6,46	8 777
Fe - Mn aff	3000	48,0	30 900	15,63	1 932
Si - Mn	3000	88,8	56 600	3,35	10 579
Fe - Cr aff	3000	65,2	42 000	4,94	8 860
Fe - Cr suraff. X)	3000	63,5	40 900	11,22	4 380
Fe - Cr Halbprodukt	3000	87,7	56 500	5,87	9 625
Fe - Cr suraff	750	86,7	14 850	3,55	4 183

X) vorläufige Zahl